IEEE Xplore RELEASE 2.0

Home | Login | Logout | Access Information | Alerts | Siten

Welcome United States Patent and Trademark Office

Search Results BROWSE SEARCH IEEE XPLORE GUIDE SUP

Results for **"((fleet management and legacy system and first platform and second platform and database and raster..."**

e-mail

Your search matched **0** of **1192192** documents.

A maximum of **100** results are displayed, **25** to a page, sorted by **Relevance** in **Descending** order.

» View Session History

» New Search

Modify Search

» **Key**

((fleet management and legacy system and first platform and second platform and da

IEEE JNL	IEEE Journal or Magazine
IEE JNL	IEE Journal or Magazine
IEEE CNF	IEEE Conference Proceeding
IEE CNF	IEE Conference Proceeding
IEEE STD	IEEE Standard

Check to search only within this results set

Display Format: Citation Citation & Abstract

No results were found.

Please edit your search criteria and try again. Refer to the Help pages if you need assistance revising you

Help Contact Us Privacy & Securit

Indexed by Inspec

© Copyright 2005 IEEE – All Rig

Refine Search

Search Results -

Terms	Documents
L4 or L1	1

Database: US Pre-Grant Publication Full-Text Database; US Patents Full-Text Database; US OCR Full-Text Database; EPO Abstracts Database; JPO Abstracts Database; Derwent World Patents Index; IBM Technical Disclosure Bulletins

Search: L5

Refine Search | Recall Text | Clear | Interrupt

Search History

DATE: Friday, July 08, 2005 Printable Copy Create Case

Set Name side by side	Query	Hit Count	Set Name result set
	DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR		
L5	L4 or l1	1	L5
L4	(fleet near management and legacy near3 system$ and first near5 platform$ and second near5 platform$ and database$ and raster$ near5 data and vector$ near5 data and (display$ or view$) and map$).clm.	1	L4
L3	(fleet near management and legacy near3 system$ and first near5 platform$ and second near5 platform$ and database$ and raster$ near5 data and vector$ near5 data and (display$ or view$) and map$).ab.	0	L3
L2	(fleet near management and legacy near3 system$ and first near5 platform$ and second near5 platform$ and database$ and raster$ near5 data and vector$ near5 data and (display$ or view$) and map$).ti.	0	L2
L1	fleet near management and legacy near3 system$ and first near5 platform$ and second near5 platform$ and database$ and raster$ near5 data and vector$ near5 data and (display$ or view$) and map$	1	L1

END OF SEARCH HISTORY

L5: Entry 1 of 1 File: PGPB Dec 12, 2002

PGPUB-DOCUMENT-NUMBER: 20020188702
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020188702 A1

TITLE: Database method and system for conducting integrated dispatching

PUBLICATION-DATE: December 12, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Short, Charles F. III	Sunnyvale	CA	US	
Prabhakaran, Sanjiv	San Jose	CA	US	

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	COUNTRY	TYPE CODE
Mobile Information Systems, Inc.	Sunnyvale	CA	US	02

APPL-NO: 09/ 981686 [PALM]
DATE FILED: October 17, 2001

RELATED-US-APPL-DATA:
Application 09/981686 is a continuation-of US application 09/204325, filed December 2, 1998, ABANDONED
Application 09/204325 is a continuation-in-part-of US application 09/057375, filed April 8, 1998, ABANDONED
Application is a non-provisional-of-provisional application 60/067444, filed December 3, 1997,
Application is a non-provisional-of-provisional application 60/043224, filed April 9, 1997,

INT-CL: [07] G06 F 15/177

US-CL-PUBLISHED: 709/220
US-CL-CURRENT: 709/220

REPRESENTATIVE-FIGURES: 1

ABSTRACT:

A technique for integrating a pre-existing business system with a fleet management system. The pre-existing business system includes, for example, an accounting system, a warehousing system, a dock management system, a yard management system. These fleet management system uses, for example, a combination of a raster map and vector data to provide an easy-to-read display for managing objects or articles, e.g., vehicle, container. The method uses a host gateway to provide a TCP/IP or like interface between the various systems.

CROSS-REFERENCE TO RELATED APPLICATIONS

[0001] The present application claims priority to U.S. application Ser. Nos. 60/067,444 filed Dec. 03, 1997, and 09/057,375 filed Apr. 08, 1998, which claims priority to U.S. application Ser. No. 60/043,224 filed Apr. 09, 1997, all commonly assigned, and hereby incorporated by reference for all purposes.

[0002] The following commonly-owned copending application is being filed concurrently, and is hereby incorporated by reference in its entirety for all purposes:

[0003] U.S. patent application Ser. No. _____, Charles F. Short, III and Sanjiv Prabhakaran entitled, "FULLY INTEGRATED DISPATCHING SYSTEM AND METHOD," (Attorney Docket Number 15517-001810US).

Previous Doc Next Doc Go to Doc#

PORTAL USPTO

Subscribe (Full Service) Register (Limited Service, Free) Login

Search: The ACM Digital Library The Guide

("fleet management" + "legacy system" + "first platform" + "

THE ACM DIGITAL LIBRARY

Feedback Report a problem Satisfaction survey

Terms used **fleet management legacy system first platform second platform database raster data vector data display** or **view digital map host gateway**

Found **852** of **157,956**

Sort results by: relevance

Display results: expanded form

Save results to a Binder

Search Tips

Open results in a new window

Try an Advanced Search

Try this search in The ACM Guide

Results 1 - 20 of 200 Result page: **1** 2 3 4 5 6 7 8 9 10 next

Best 200 shown

Relevance scale

1 Computing curricula 2001

September 2001 **Journal on Educational Resources in Computing (JERIC)**

Full text available: pdf(613.63 KB) html(2.76 KB) Additional Information: full citation, references, citings, index terms

2 InterViso: dealing with the complexity of federated database access

Marjorie Templeton, Herbert Henley, Edward Maros, Darrel J. Van Buer

April 1995 **The VLDB Journal — The International Journal on Very Large Data Bases**, Volume 4 Issue 2

Full text available: pdf(1.87 MB) Additional Information: full citation, abstract, references, citings

Connectivity products are finally available to provide the "highways" between computers containing data. IBM has provided strong validation of the concept with their "Information Warehouse." DBMS vendors are providing gateways into their products, and SQL is being retrofitted on many older DBMSs to make it easier to access data from standard 4GL products and application development systems. The next step needed for data integration is to provide (1) a common data dictionary with a conceptual sch ...

Keywords: data warehouse, database integration, federated database

3 Rendering vector data over global, multi-resolution 3D terrain

Zachary Wartell, Eunjung Kang, Tony Wasilewski, William Ribarsky, Nickolas Faust

May 2003 **Proceedings of the symposium on Data visualisation 2003**

Full text available: pdf(2.51 MB) Additional Information: full citation, abstract, index terms

Modern desktop PCs are capable of taking 2D Geographic Information System (GIS) applications into the realm of interactive 3D virtual worlds. In prior work we developed and presented graphics algorithms and data management methods for interactive viewing of a 3D global terrain system for desktop and virtual reality systems. In this paper we present a key data structure and associated render-time algorithm for the combined display of multi-resolution 3D terrain and traditional GIS polyline vector ...

4 Applications: Achieving interoperability for integration of heterogeneous COTS geographic information systems

Shengru Tu, Liang Xu, Mahdi Abdelguerfi, Jay J. Ratcliff

November 2002 **Proceedings of the 10th ACM international symposium on Advances in geographic information systems**

Full text available: pdf(105.88 KB) Additional Information: full citation, abstract, references, index terms

Using multiple commercial off-the-shelf (COTS) GIS suites is a common phenomenon, because different COTS products often have different strengths in various applications. On the other hand, deploying heterogeneous GIS software has the tendency to form fragmented data sets and to cause inconsistency. Data consolidation is an effective way to preserve data integrity. To accomplish this, we must achieve interoperability between different GIS tools. While vector spatial data have the standard databas ...

Keywords: COTS-based systems, GIS, J2EE, interoperability, system integration

5 Effective graph clustering for path queries in digital map databases

Yun-Wu Huang, Ning Jing, Elke A. Rundensteiner

November 1996 **Proceedings of the fifth international conference on Information and knowledge management**

Full text available: pdf(910.27 KB) Additional Information: full citation, references, citings, index terms

6 GIS and the internet: Remote access to large spatial databases

Egemen Tanin, František Brabec, Hanan Samet

November 2002 **Proceedings of the 10th ACM international symposium on Advances in geographic information systems**

Full text available: pdf(321.92 KB) Additional Information: full citation, abstract, references, index terms

Enterprises in the public and private sectors have been making their large spatial data archives available over the Internet. However, interactive work with such large volumes of online spatial data is a challenging task. We propose two efficient approaches to remote access to large spatial data. First, we introduce a client-server architecture where the work is distributed between the server and the individual clients for spatial query evaluation, data visualization, and data management. We ena ...

Keywords: GIS, client/server, internet, peer-to-peer

7 Distributed, Web-based GIS: A systematic approach to reduction of user-perceived response time for GIS web services

Shengru Tu, Xiangfeng He, Xuefeng Li, Jay J. Ratcliff

November 2001 **Proceedings of the 9th ACM international symposium on Advances in geographic information systems**

Full text available: pdf(1.62 MB) Additional Information: full citation, abstract, references, citings, index terms

The research of Internet distribution of GIS contents is still in its infancy. This paper reports an implementation of a systematic approach to optimize Internet distribution of GIS datasets. The goal is to reduce user-perceived response time and improve users' navigation efficiency.On the server side, a large GIS dataset associated with a map is decomposed into small blocks and organized into an overview guiding hierarchy. On the client side, locality-based caching and pre-fetching techniques a ...

Keywords: GIS, Java, applet, caching, hierarchical model, pre-fetching, response time, web

8 Automated Generation of Visual Simulation Databases Using Remote Sensing and GIS

Martin Suter, D. Nuesch

October 1995 **Proceedings of the 6th conference on Visualization '95**

Full text available: pdf(1.15 MB) Additional Information:

Publisher Site full citation, abstract, citings

This paper reports on the development of a strategy to generate databases used for real-time interactive landscape visualization. The database construction from real world data is intended to be as automated as possible. The primary sources of information are remote sensing imagery recorded by Landsat's Thematic Mapper (TM) and digital elevation models (DEM). Additional datasets (traffic networks and buildings) are added to extend the database. In a first step the TM images are geocoded and then ...

Keywords: remote sensing, geographic information systems, geographic databases, satellite images, classification, visual simulation, level of detail

9 Two award-winning Ada systems at object world

T. Colin Pratt, Leslie Russell

November 1995 **Proceedings of the conference on TRI-Ada '95: Ada's role in global markets: solutions for a changing complex world**

Full text available: pdf(1.18 MB) Additional Information: full citation

10 Data models in geographic information systems

Shashi Shekhar, Mark Coyle, Brajesh Goyal, Duen-Ren Liu, Shyamsundar Sarkar

April 1997 **Communications of the ACM**, Volume 40 Issue 4

Full text available: pdf(186.52 KB) Additional Information: full citation, references, citings, index terms, review

11 Progressive vector transmission

Michela Bertolotto, Max J. Egenhofer

November 1999 **Proceedings of the 7th ACM international symposium on Advances in geographic information systems**

Full text available: pdf(83.27 KB) Additional Information: full citation, references, citings, index terms

Keywords: levels of detail, multiple representations, progressive transimission over the Web

12 Mobile and Cooperative Systems: Information sharing and security in dynamic coalitions

Charles E. Phillips, T.C. Ting, Steven A. Demurjian

June 2002 **Proceedings of the seventh ACM symposium on Access control models and technologies**

Full text available: pdf(1.68 MB) Additional Information: full citation, abstract, references, citings, index terms

Today, information sharing is critical to almost every institution. There is no more critical need for information sharing than during an international crisis, when international coalitions dynamically form. In the event of a crisis, whether it is humanitarian relief, natural disaster, combat operations, or terrorist incidents, international coalitions have an immediate need for information. These coalitions are formed with international cooperation, where each participating country offers whate ...

Keywords: access control, distributed systems, dynamic coalitions, information security

13 2.2 IT skills and training: Electronic commerce personnel in the age of clicks and

mortar: toward a framework of individual and project level skills
Fred Niederman, Xiaorui Hu
April 2003 **Proceedings of the 2003 SIGMIS conference on Computer personnel research: Freedom in Philadelphia--leveraging differences and diversity in the IT workforce**
Full text available: pdf(208.29 KB) Additional Information: full citation, abstract, references, index terms

With the explosive growth of Internet, the need for individuals to build and maintain electronic commerce programs has emerged. E-commerce sites have the dual challenges of appealing enough to users to purchasing online as well as running flawlessly to support secure transactions. Thus, e-commerce personnel need to integrate the creativity of delighting users with reliable technology. This paper examines the staffing of e-commerce teams and particularly focuses on skills needed and how they shou ...

Keywords: IT personnel, electronic commerce, skill requirements, workforce

14 Building a hypertextual digital library in the humanities: a case study on London
Gregory Crane, David A. Smith, Clifford E. Wulfman
January 2001 **Proceedings of the 1st ACM/IEEE-CS joint conference on Digital libraries**
Full text available: pdf(361.82 KB) Additional Information: full citation, abstract, references, citings, index terms

This paper describes the creation of a new humanities digital library collection: 11,000,000 words and 10,000 images representing books, images and maps on pre-twentieth century London and its environs. The London collection contained far more dense and precise information than the materials from the Greco-Roman world on which we had previously concentrated. The London collection thus allowed us to explore new problems of data structure, manipulation, and visualization. This paper contrast ...

Keywords: automatic linking, browsing, collection development, document design, reading

15 Fast detection of communication patterns in distributed executions
Thomas Kunz, Michiel F. H. Seuren
November 1997 **Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research**
Full text available: pdf(4.21 MB) Additional Information: full citation, abstract, references, index terms

Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event tracer developed at the University of Waterloo. However, these diagrams are often very complex and do not provide the user with the desired overview of the application. In our experience, such tools display repeated occurrences of non-trivial commun ...

16 The RiverWeb Toolsuite™: bridging the gap between high-end environmental science and the classroom
David Curtis, Edna E. Gentry, Steven I. Gordon, Susan Ragan, Erich Schroeder, Lisa Bievenue, David Emigh, Mary Ellen Verona
November 1998 **Proceedings of the 1998 ACM/IEEE conference on Supercomputing (CDROM)**
Full text available: html(57.11 KB) Additional Information: full citation, abstract, references

The National Computational Science Alliance's Education and Outreach Team (EOT) is working with the Alliance's Environmental Hydrology Applications Technology Team (EH-AT) to make information technolgies for watershed monitoring, system modeling, simulation, and data visualization and analysis accessible to educational communities and the public at large. The broad vision here is promote the education of 21st century citizens to participate actively in science-based informed debate and policy-ma ...

Keywords: K-12 education, math education, science education, watersheds

17 Spatial management of data
Christopher F. Herot
December 1980 **ACM Transactions on Database Systems (TODS)**, Volume 5 Issue 4

Full text available: pdf(2.11 MB) Additional Information: full citation, abstract, references, citings, index terms

Spatial data management is a technique for organizing and retrieving information by positioning it in a graphical data space (GDS). This graphical data space is viewed through a color raster-scan display which enables users to traverse the GDS surface or zoom into the image to obtain greater detail. In contrast to conventional database management systems, in which users access data by asking questions in a formal query language, a spatial data management system (SDMS) presents the informati ...

Keywords: computer graphics, database query languages, graphics languages, man-machine interaction

18 An extended owner-coupled set data model and predicate calculus for database management
J. Bradley
December 1978 **ACM Transactions on Database Systems (TODS)**, Volume 3 Issue 4

Full text available: pdf(2.34 MB) Additional Information: full citation, abstract, references, citings, index terms

A data model is presented, based on the extension of the concept of a DBTG owner-coupled set to permit static and dynamic sets and a new kind of set referred to as a virtual set. The notion of connection fields is introduced, and it is shown how connection fields may be used to construct derived information bearing set names, and hence permit the specification of (dynamic) sets which are not predeclared in a schema. Virtual ...

Keywords: Codasyl DBTG, DSL AlPHA, connection field, dynamic set, extended Bachman diagram, extended owner-coupled set data model, extended owner-coupled set predicate calculus, functional dependency, information bearing set name, owner-coupled set, static set, virtual set

19 Special issue on spatial database systems: Management of multidimensional discrete data
Peter Baumann
October 1994 **The VLDB Journal — The International Journal on Very Large Data Bases**, Volume 3 Issue 4

Full text available: pdf(2.30 MB) Additional Information: full citation, abstract, references, citings

Spatial database management involves two main categories of data: vector and raster data. The former has received a lot of in-depth investigation; the latter still lacks a sound framework. Current DBMSs either regard raster data as pure byte sequences where the DBMS has no knowledge about the underlying semantics, or they do not complement array structures with storage mechanisms suitable for huge arrays, or they are designed as specialized systems with sophisticated imaging functionality, but n ...

Keywords: Multimedia database systems, image database systems, spatial index, tiling

20 Special issue on spatial database systems: An introduction to spatial database systems
Ralf Hartmut Güting

October 1994 **The VLDB Journal — The International Journal on Very Large Data Bases**, Volume 3 Issue 4

Full text available: pdf(2.50 MB) Additional Information: full citation, abstract, references, citings

We propose a definition of a spatial database system as a database system that offers spatial data types in its data model and query language, and supports spatial data types in its implementation, providing at least spatial indexing and spatial join methods. Spatial database systems offer the underlying database technology for geographic information systems and other applications. We survey data modeling, querying, data structures and algorithms, and system architecture for such systems. The em ...

Results 1 - 20 of 200 Result page: **1** 2 3 4 5 6 7 8 9 10 next

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2005 ACM, Inc.
Terms of Usage Privacy Policy Code of Ethics Contact Us

Useful downloads: Adobe Acrobat QuickTime Windows Media Player Real Player

PORTAL USPTO

Subscribe (Full Service) Register (Limited Service, Free) Login

Search: The ACM Digital Library The Guide

("fleet management" + "legacy system" + "first platform" + "

THE ACM DIGITAL LIBRARY

Feedback Report a problem Satisfaction survey

Terms used **fleet management legacy system first platform second platform database raster data vector data display** or **view digital map host gateway**

Found **852** of **157,956**

Sort results by: relevance

Display results: expanded form

Save results to a Binder

Search Tips

Open results in a new window

Try an Advanced Search

Try this search in The ACM Guide

Results 21 - 40 of 200 Result page: previous 1 **2** 3 4 5 6 7 8 9 10 next

Best 200 shown

Relevance scale

21 Integrating symbolic images into a multimedia database system using classification and abstraction approaches

Aya Soffer, Hanan Samet

December 1998 **The VLDB Journal — The International Journal on Very Large Data Bases**, Volume 7 Issue 4

Full text available: pdf(227.30 KB) Additional Information: full citation, abstract, index terms

Symbolic images are composed of a finite set of symbols that have a semantic meaning. Examples of symbolic images include maps (where the semantic meaning of the symbols is given in the legend), engineering drawings, and floor plans. Two approaches for supporting queries on symbolic-image databases that are based on image content are studied. The classification approach preprocesses all symbolic images and attaches a semantic classification and an associated certainty factor to each object that ...

Keywords: Image indexing, Multimedia databases, Query optimization, Retrieval by content, Spatial databases, Symbolic-image databases

22 Chimera: hypermedia for heterogeneous software development enviroments

Kenneth M. Anderson, Richard N. Taylor, E. James Whitehead

July 2000 **ACM Transactions on Information Systems (TOIS)**, Volume 18 Issue 3

Full text available: pdf(864.32 KB) Additional Information: full citation, abstract, references, citings, index terms

Emerging software development environments are characterized by heterogeneity: they are composed of diverse object stores, user interfaces, and tools. This paper presents an approach for providing hypermedia services in this heterogeneous setting. Central notions of the approach include the following: anchors are established with respect to interactive views of objects, rather than the objects themselves; composable, n-ary links can be established between a ...

Keywords: heterogeneous hypermedia, hypermedia system architectures, link servers, open hypermedia systems, software development environments

23 Semantic database modeling: survey, applications, and research issues

Richard Hull, Roger King

September 1987 **ACM Computing Surveys (CSUR)**, Volume 19 Issue 3

Full text available: pdf(5.42 MB) Additional Information: full citation, abstract, references, citings, index terms, review

Most common database management systems represent information in a simple record-based format. Semantic modeling provides richer data structuring capabilities for database applications. In particular, research in this area has articulated a number of constructs that provide mechanisms for representing structurally complex interrelations among data typically arising in commercial applications. In general terms, semantic modeling complements work on knowledge representation (in artificial int ...

24 The state of the art in distributed query processing

Donald Kossmann

December 2000 **ACM Computing Surveys (CSUR)**, Volume 32 Issue 4

Full text available: pdf(455.39 KB) Additional Information: full citation, abstract, references, citings, index terms

Distributed data processing is becoming a reality. Businesses want to do it for many reasons, and they often must do it in order to stay competitive. While much of the infrastructure for distributed data processing is already there (e.g., modern network technology), a number of issues make distributed data processing still a complex undertaking: (1) distributed systems can become very large, involving thousands of heterogeneous sites including PCs and mainframe server machines; (2) the stat ...

Keywords: caching, client-server databases, database application systems, dissemination-based information systems, economic models for query processing, middleware, multitier architectures, query execution, query optimization, replication, wrappers

25 Archaeology and GIS--The Linux Way

R. Joe Brandon, Trevor Kludt, Markus Neteler

July 1999 **Linux Journal**

Full text available: html(20.38 KB) Additional Information: full citation, abstract, index terms

A description of an archaeology project making use of the freely available geographic information system GRASS

26 Geographic Data Processing

George Nagy, Sharad Wagle

June 1979 **ACM Computing Surveys (CSUR)**, Volume 11 Issue 2

Full text available: pdf(4.20 MB) Additional Information: full citation, references, citings, index terms

27 Bioinformatics (BIO): PViN: a scalable and flexible system for visualizing pedigree databases

Eric A. Wernert, Jagannathan Lakshmipathy

March 2005 **Proceedings of the 2005 ACM symposium on Applied computing**

Full text available: pdf(235.41 KB) Additional Information: full citation, abstract, references, index terms

We describe the design and implementation of PViN (Pedigree Visualization and Navigation), a scalable and flexible software system that enables the visualization, analysis, and printing of hierarchical relations typically stored in relational databases. Although the concept of visualizing and printing pedigree databases is not new, we have developed a novel implementation based on modern approaches for several important reasons: (1) Our university's center of hereditary diseases has accumulated ...

Keywords: databases, hereditary diseases, information visualization, pedigrees, tree drawing

28 Legacy object modeling speeds software integration

W. B. Noffsinger, Robert Niedbalski, Michael Blanks, Niall Emmart

December 1998 **Communications of the ACM**, Volume 41 Issue 12

Full text available: pdf(620.20 KB) Additional Information: full citation, references, citings, index terms

29 Designing and integrating user interfaces of geographic database applications

Agnès Voisard

June 1994 **Proceedings of the workshop on Advanced visual interfaces**

Full text available: pdf(1.02 MB) Additional Information: full citation, abstract, references, index terms

In this paper, we investigate the problem of designing graphical geographic database user interfaces (GDUIs) and of integrating them into a database management system (DBMS). Geographic applications may vary widely but they all have common aspects due to the spatial component of their data: Geographic data are not standard and they require appropriate tools for (i) editing them (i.e., display and modify) and (ii) querying them. The conceptual problems encou ...

30 Model-driven development of Web applications: the AutoWeb system

Piero Fraternali, Paolo Paolini

October 2000 **ACM Transactions on Information Systems (TOIS)**, Volume 18 Issue 4

Full text available: pdf(6.94 MB) Additional Information: full citation, abstract, references, citings, index terms

This paper describes a methodology for the development of WWW applications and a tool environment specifically tailored for the methodology. The methodology and the development environment are based upon models and techniques already used in the hypermedia, information systems, and software engineering fields, adapted and blended in an original mix. The foundation of the proposal is the conceptual design of WWW applications, using HDM-lite, a notation for the specification of structure, nav ...

Keywords: HTML, WWW, application, development, intranet, modeling

31 Evolution of Data-Base Management Systems

James P. Fry, Edgar H. Sibley

January 1976 **ACM Computing Surveys (CSUR)**, Volume 8 Issue 1

Full text available: pdf(2.63 MB) Additional Information: full citation, references, citings, index terms

32 The RasDaMan approach to multidimensional database management

Peter Baumann, Paula Furtado, Roland Ritsch, Norbert Widmann

April 1997 **Proceedings of the 1997 ACM symposium on Applied computing**

Full text available: pdf(1.08 MB) Additional Information: full citation, references, citings, index terms

33 Database techniques for the World-Wide Web: a survey

Daniela Florescu, Alon Levy, Alberto Mendelzon

September 1998 **ACM SIGMOD Record**, Volume 27 Issue 3

Full text available: pdf(1.79 MB) Additional Information: full citation, citings, index terms

34 Knowledge management session 1: visual: Visual structures for image browsing

Ricardo S. Torres, Celmar G. Silva, Claudia B. Medeiros, Heloisa V. Rocha

November 2003 **Proceedings of the twelfth international conference on Information and knowledge management**

Full text available: pdf(463.07 KB) Additional Information: full citation, abstract, references, index terms

Content-Based Image Retrieval (CBIR) presents several challenges and has been subject to extensive research from many domains, such as image processing or database systems. Database researchers are concerned with indexing and querying, whereas image processing experts worry about extracting appropriate image descriptors. Comparatively little work has been done on designing user interfaces for CBIR systems. This, in turn, has a profound effect on these systems since the concept of image similarit ...

Keywords: content-based Image retrieval (CBIR), focus+context views, image browsing, information visualization, visual structures

35 Mobile services and technology track: Extending knowledge management to mobile workplaces

Volker Derballa, Key Pousttchi

March 2004 **Proceedings of the 6th international conference on Electronic commerce**

Full text available: pdf(255.69 KB) Additional Information: full citation, abstract, references, index terms

Knowledge and Knowledge Management (KM) are evolving into an increasingly eminent source of competitive advantage. However, for the time being, the potential of KM is usually limited to stationary workplaces. This excludes a multiplicity of mobile workers, many of them in charge of knowledge-intensive activities. This paper examines the capabilities and limitations of mobile technology usage in order to support KM. After a general overview of KM, the relevant mobile technology is introduced. Sub ...

Keywords: knowledge management, mobile added values, mobile business processes, mobile commerce, mobile knowledge management

36 Terrain database interoperability issues in training with distributed interactive simulation

Guy A. Schiavone, S. Sureshchandran, Kenneth C. Hardis

July 1997 **ACM Transactions on Modeling and Computer Simulation (TOMACS)**, Volume 7 Issue 3

Full text available: pdf(443.34 KB) Additional Information: full citation, abstract, references, citings, index terms, review

In Distributed Interactive Simulation (DIS), each participating node is responsible for maintaining its own model of the synthetic environment. Problems may arise if significant inconsistencies are allowed to exist between these separate world views, resulting in unrealistic simulation results or negative training, and a corresponding degradation of interoperability in a DIS simulation exercise. In the DIS community, this is known as the simulator terrain database (TDB) correlation problem. ...

Keywords: distributed interactive simulation, terrain databases

37 Tools and approaches for developing data-intensive Web applications: a survey

Piero Fraternali

September 1999 **ACM Computing Surveys (CSUR)**, Volume 31 Issue 3

Full text available: pdf(524.80 KB) Additional Information: full citation, abstract, references, citings, index terms

The exponential growth and capillar diffusion of the Web are nurturing a novel generation of applications, characterized by a direct business-to-customer relationship. The development of such applications is a hybrid between traditional IS development and Hypermedia authoring, and challenges the existing tools and approaches for software production. This paper investigates the current situation of Web development tools, both in the commercial and research fields, by identifying and characte ...

Keywords: HTML, Intranet, WWW, application, development

38 User interfaces: Interactive 3D visualization of vector data in GIS

Oliver Kersting, Jürgen Döllner

November 2002 **Proceedings of the 10th ACM international symposium on Advances in geographic information systems**

Full text available: pdf(3.64 MB) Additional Information: full citation, abstract, references, index terms

Vector data represents one major category of data managed by GIS. This paper presents a new technique for vector-data display that is able to precisely and efficiently map vector data on 3D objects such as digital terrain models. The technique allows the system to adapt the visual mapping to the context and user needs and enables users to interactively modify vector data through the visual representation. It represents a basic mechanism for GIS interface technology and facilitates the developmen ...

Keywords: 3D GIS, animated cartography, geographic visualization, vector data

39 Databases for GIS

Claudia Bauzer Medeiros, Fatima Pires

March 1994 **ACM SIGMOD Record**, Volume 23 Issue 1

Full text available: pdf(989.69 KB) Additional Information: full citation, citings, index terms

40 An extensible knowledge base management system for supporting rule-based interoperability among heterogeneous systems

Stanley Y. W. Su, Herman Lam, Javier Arroyo-Figueroa, Tsae-Feng Yu, Zhidong Yang

December 1995 **Proceedings of the fourth international conference on Information and knowledge management**

Full text available: pdf(1.17 MB) Additional Information: full citation, references, index terms

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2005 ACM, Inc.
Terms of Usage Privacy Policy Code of Ethics Contact Us

Useful downloads: Adobe Acrobat QuickTime Windows Media Player Real Player

PORTAL USPTO

Subscribe (Full Service) Register (Limited Service, Free) Login

Search: The ACM Digital Library The Guide

("fleet management" + "legacy system" + "first platform" + "

THE ACM DIGITAL LIBRARY

Feedback Report a problem Satisfaction survey

Terms used **fleet management legacy system first platform second platform database raster data vector data display** or **view digital map host gateway**

Found **852** of **157,956**

Sort results by: relevance

Display results: expanded form

Save results to a Binder

Search Tips

Open results in a new window

Try an Advanced Search

Try this search in The ACM Guide

Results 41 - 60 of 200 Result page: previous 1 2 **3** 4 5 6 7 8 9 10 next

Best 200 shown

Relevance scale

41 Archiving, digital collections, and analysis: An evolutionary approach to digital recording and information about heritage sites

John Counsell

November 2001 **Proceedings of the 2001 conference on Virtual reality, archeology, and cultural heritage**

Full text available: pdf(3.32 MB) Additional Information: full citation, abstract, references, citings, index terms

This paper considers 3 cases undertaken by a team at the University of the West of England (FBE/UWE) --- the Tower of London Computer Models and more recent linked European Historic Gardens on the Web. The team is continuing to investigate uses of spatial information systems to store, manage and visualise records of historic sites, enabling interactive off-site access to interpretative information. Existing records, often accrued in an ad-hoc manner, are mostly inadequate for such use and incomp ...

Keywords: GIS, VRML, augmented reality, real-time video, spatial information system

42 An integrated information system on the Web for catchment management

Kenny Taylor, Mark Cameron, Jason Haines

November 1998 **Proceedings of the 6th ACM international symposium on Advances in geographic information systems**

Full text available: pdf(730.11 KB) Additional Information: full citation, references, index terms

43 DIVE-ON: from databases to virtual reality

Ayman Ammoura

March 2001 **Crossroads**, Volume 7 Issue 3

Full text available: html(57.88 KB) Additional Information: full citation, citings, index terms

44 Research centers: Research activities in database management and information retrieval at University of Illinois at Chicago

Isabel Cruz, Ashfaq Khokhar, Bing Liu, Prasad Sistla, Ouri Wolfson, Clement Yu

September 2002 **ACM SIGMOD Record**, Volume 31 Issue 3

Full text available: pdf(604.45 KB) Additional Information: full citation, references

45 A Comparison of the Relational and CODASYL Approaches to Data-Base Management
Ann S. Michaels, Benjamin Mittman, C. Robert Carlson
January 1976 **ACM Computing Surveys (CSUR)**, Volume 8 Issue 1
Full text available: pdf(2.06 MB) Additional Information: full citation, references, citings, index terms

46 What's special about spatial?: database requirements for vehicle navigation in geographic space
Max J. Egenhofer
June 1993 **ACM SIGMOD Record , Proceedings of the 1993 ACM SIGMOD international conference on Management of data**, Volume 22 Issue 2
Full text available: pdf(584.34 KB) Additional Information: full citation, abstract, references, citings, index terms

Geographic databases are becoming a popular subject for research projects. It is acknowledged that database requirements for such applications as Geographic Information Systems (GISs), computer cartography, remote-sensing image databases, and emergency routing/dispatching are distinct from those for traditional database applications; however, the specific database needs due to the properties of geographic data are frequently overlooked. Here, we describe a specific problem domain, a

47 Information systems interoperability: What lies beneath?
Jinsoo Park, Sudha Ram
October 2004 **ACM Transactions on Information Systems (TOIS)**, Volume 22 Issue 4
Full text available: pdf(824.78 KB) Additional Information: full citation, abstract, references, index terms

Interoperability is the most critical issue facing businesses that need to access information from multiple information systems. Our objective in this research is to develop a comprehensive framework and methodology to facilitate semantic interoperability among distributed and heterogeneous information systems. A comprehensive framework for managing various semantic conflicts is proposed. Our proposed framework provides a unified view of the underlying representational and reasoning formalism ...

Keywords: Information integration, mediators, ontology, semantic conflict resolution, semantic heterogeneity

48 Databsse system approach the management decision support
John J. Donovan
December 1976 **ACM Transactions on Database Systems (TODS)**, Volume 1 Issue 4
Full text available: pdf(2.09 MB) Additional Information: full citation, abstract, references, citings, index terms

Traditional intuitive methods of decision-making are no longer adequate to deal with the complex problems faced by the modern policymaker. Thus systems must be developed to provide the information and analysis necessary for the decisions which must be made. These systems are called decision support systems. Although database systems provide a key ingredient to decision support systems, the problems now facing the policymaker are different from those problems to which database systems have b ...

Keywords: database systems, decision support systems, management applications, modeling, networking, relational, virtual machines

49 Evaluating the reverse engineering capabilities of Web tools for understanding site content and structure: a case study
Scott Tilley, Shihong Huang

July 2001 **Proceedings of the 23rd International Conference on Software Engineering**

Full text available: pdf(360.47 KB) Publisher Site Additional Information: full citation, abstract, references, citings, index terms

This paper describes an evaluation of the reverse engineering capabilities of three Web tools for understanding site content and structure. The evaluation is based on partitioning Web sites into three classes (static, interactive, and dynamic), and is structured using an existing reverse engineering environment framework (REEF). This case study also represents an initial evaluation of the applicability of the REEF in the related but qualitatively different domain of Web sites. The case stu ...

50 UTIS (Urban Transportation Information System) a geo-spatial transport database

Adam Etches, David Parker, Sean Ince, Philip James

November 2000 **Proceedings of the 8th ACM international symposium on Advances in geographic information systems**

Full text available: pdf(677.50 KB) Additional Information: full citation, abstract, index terms

This paper proposes the design of an extended DBMS as required for integrated management of urban transportation systems. We introduce an extended `lowest common denominator' database model that supports a wide and varied range of urban transport tasks, which include management, simulation and planning. This paper is the result of research being carried out and is formulated by database expertise and transport knowledge. There has been a full analysis of transport data objects and attributes. ...

Keywords: temporal spatial informaton, transport system

51 Surveying current research in object-oriented design

Rebecca J. Wirfs-Brock, Ralph E. Johnson

September 1990 **Communications of the ACM**, Volume 33 Issue 9

Full text available: pdf(2.82 MB) Additional Information: full citation, abstract, references, citings, index terms, review

The state of object-oriented is evolving rapidly. This survey describes what are currently thought to be the key ideas. Although it is necessarily incomplete, it contains both academic and industrial efforts and describes work in both the United States and Europe. It ignores well-known ideas, like that of Coad and Meyer [34], in favor of less widely known projects.Research in object-oriented design can be divided many ways. Some research is focused on describing a design process. ...

52 Migration of legacy web applications to enterprise Java™ environments net.data® to JSP™ transformation

Yu Ping, Jianguo Lu, Terence C. Lau, Kostas Kontogiannis, Tack Tong, Bo Yi

October 2003 **Proceedings of the 2003 conference of the Centre for Advanced Studies on Collaborative research**

Full text available: pdf(165.69 KB) Additional Information: full citation, abstract, references, index terms

As Web technologies advance, the porting and adaptation of existing Web applications to take advantage of the advancement has become an issue of increasing importance. Examples of such technology advancement include extensible architectural designs, more efficient caching protocols, and provision for customizable dynamic content delivery. This paper presents an experience report on the migration of legacy IBM® Net.Data® based applications to new enterprise Java

Keywords: Java 2 Enterprise Edition (J2EE™), JavaBeans, JavaServer pages, Net.Data, SQL, migration, model-view-controller (MVC), transformation

53 Tracing the lineage of view data in a warehousing environment

Yingwei Cui, Jennifer Widom, Janet L. Wiener

June 2000 **ACM Transactions on Database Systems (TODS)**, Volume 25 Issue 2

Full text available: pdf(458.90 KB) Additional Information: full citation, abstract, references, citings, index terms

We consider the view data lineageproblem in a warehousing environment: For a given data item in a materialized warehouse view, we want to identify the set of source data items that produced the view item. We formally define the lineage problem, develop lineage tracing algorithms for relational views with aggregation, and propose mechanisms for performing consistent lineage tracing in a multisource data warehousing environment. Our result can form the basis of a tool that al ...

Keywords: data warehouse, derviation, lineage, materialized views

54 Scientific modeling using distributed resources
Amitabh Saran, Divyakant Agrawal, Amr El Abbadi, Terence R. Smith, Jianwen Su
November 1996 **Proceedings of the 4th ACM international workshop on Advances in geographic information systems**
Full text available: pdf(1.00 MB) Additional Information: full citation, references, index terms

55 The GéoSabrina design: the way to build a GIS above a spatial data server
D. Chrétien, Y. Viémont, T. Larue, R. Legoff, D. Pastre
April 1994 **Proceedings of the 1994 ACM symposium on Applied computing**
Full text available: pdf(753.75 KB) Additional Information: full citation, references, index terms

Keywords: geographical database system, spatial data, spatial language

56 Database research: achievements and opportunities into the 1st century
Avi Silberschatz, Mike Stonebraker, Jeff Ullman
March 1996 **ACM SIGMOD Record**, Volume 25 Issue 1
Full text available: pdf(1.11 MB) Additional Information: full citation, citings

57 An approach for designing decision support systems
Eric D. Carlson
December 1978 **ACM SIGMIS Database**, Volume 10 Issue 3
Full text available: pdf(1.09 MB) Additional Information: full citation, abstract, references

Studies of specific decisions and general studies of decision making have indicated the potential benefits of computer support for decision making. These potential benefits can be divided into two categories: displaced cost and added value.

58 The Dublo Architecture Pattern for Smooth Migration of Business Information Systems: An Experience Report
Wilhelm Hasselbring, Ralf Reussner, Holger Jaekel, Jurgen Schlegelmilch, Thorsten Teschke, Stefan Krieghoff
May 2004 **Proceedings of the 26th International Conference on Software Engineering**
Full text available: pdf(125.50 KB) Additional Information: full citation, abstract

While the importance of multi-tier architectures for enterpriseinformation systems is widely accepted and theirbenefits are well published, the systematic migration frommonolithic legacy systems toward multi-tier architectures isknown to a much lesser extent. In this paper we present apattern on how to re-use elements of legacy systems withinmulti-tier architectures, which also allows for a smooth migrationpath. We report on experience we made with migratingexisting municipal information systems ...

Keywords: Architecture Pattern, Software Architecture, Legacy Systems, Migration

59 Multidatabase systems: Engineering an SQL gateway to IMS



G. N. Paulley

October 1993 **Proceedings of the 1993 conference of the Centre for Advanced Studies on Collaborative research: distributed computing - Volume 2**

Full text available: pdf(1.18 MB) Additional Information: full citation, abstract, references

Multidatabase systems enable organizations to integrate legacy database systems, and their applications, with newer database technology. One such legacy system is IBM'S Information Management System (IMs), a hierarchical database management system developed in the 1960s. Commercial IMS gateways typically suffer from poor performance and lack essential features needed to support updates. In this paper, we outline the engineering issues of constructing a multi-user IMS gateway that supports both c ...

60 Issues in modeling a "dynamic" hypertext interface for non-hypertext systems



Michael Bieber

September 1991 **Proceedings of the third annual ACM conference on Hypertext**

Full text available: pdf(1.06 MB) Additional Information: full citation, references, citings, index terms

Results 41 - 60 of 200 Result page: previous 1 2 **3** 4 5 6 7 8 9 10 next

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2005 ACM, Inc.
Terms of Usage Privacy Policy Code of Ethics Contact Us

Useful downloads: Adobe Acrobat QuickTime Windows Media Player Real Player

PORTAL USPTO

Subscribe (Full Service) Register (Limited Service, Free) Login

Search: The ACM Digital Library The Guide

("fleet management" + "legacy system" + "first platform" + "

THE ACM DIGITAL LIBRARY

Feedback Report a problem Satisfaction survey

Terms used **fleet management legacy system first platform second platform database raster data vector data display** or **view digital map host gateway**

Found **852** of **157,956**

Sort results by: relevance

Display results: expanded form

Save results to a Binder

Search Tips

Open results in a new window

Try an Advanced Search

Try this search in The ACM Guide

Results 61 - 80 of 200 Result page: previous 1 2 3 **4** 5 6 7 8 9 10 next

Best 200 shown

Relevance scale

61 A general purpose graphic system for computer aided design

Sakae Uno, Hideo Matsuka

August 1979 **ACM SIGGRAPH Computer Graphics , Proceedings of the 6th annual conference on Computer graphics and interactive techniques**, Volume 13 Issue 2

Full text available: pdf(2.56 MB) Additional Information: full citation, abstract, references, index terms

The experimental Advanced Integrated Designer's Activity Support (A-IDAS) system is intended to be a base for a total engineering system rather than a pure graphic system. The system provides a database in which graphic data, geometric data and engineering data are stored in a relational data model. It also provides a graphic management facility which can manipulate not only pictures drawn with lines, but those drawn as areas. Areas are represented by crosshatched lines or colors. In more c ...

Keywords: Computer aided design, Computer graphics, Device independent graphics, Engineering database, Relational data model, Scenery, Texture

62 An overview of data warehousing and OLAP technology

Surajit Chaudhuri, Umeshwar Dayal

March 1997 **ACM SIGMOD Record**, Volume 26 Issue 1

Full text available: pdf(101.60 KB) Additional Information: full citation, abstract, citings, index terms

Data warehousing and on-line analytical processing (OLAP) are essential elements of decision support, which has increasingly become a focus of the database industry. Many commercial products and services are now available, and all of the principal database management system vendors now have offerings in these areas. Decision support places some rather different requirements on database technology compared to traditional on-line transaction processing applications. This paper provides an overview ...

63 Natural-language retrieval of images based on descriptive captions

Eugene J. Guglielmo, Neil C. Rowe

July 1996 **ACM Transactions on Information Systems (TOIS)**, Volume 14 Issue 3

Full text available: pdf(572.05 KB) Additional Information: full citation, abstract, references, citings, index terms, review

We describe a prototype intelligent information retrieval system that uses natural-language understanding to efficiently locate captioned data. Multimedia data generally require captions to explain their features and significance. Such descriptive captions often rely on long nominal compounds (strings of consecutive nouns) which create problems of

disambiguating word sence. In our system, captions and user queries are parsed and interpreted to produce a logical form using a detailed theory ...

Keywords: captions, multimedia database, type hierarchy

64 Posters & demos: Multimodal optimizations: can legacy systems defeat them?
John Harper, Donal Sweeney
November 2001 **Proceedings of the 2001 workshop on Perceptive user interfaces**

Full text available: pdf(3.03 MB) Additional Information: full citation, abstract, references, index terms

This paper describes several results obtained during the implementation and evaluation of a speech complemented interface to a vehicle monitoring system. A speech complemented interface is one wherein the operations at the interface (keyboard and mouse, for instance) are complemented by operator speech not directly processed by the computer. Such systems from an interface perspective have 'low brow' multimodal characteristics. Typical domains include vehicle tracking applications (taxis, buses, ...

Keywords: legacy systems, mental models, multimodal interfaces, task analysis, user modeling

65 Conceptual schema analysis: techniques and applications
S. Castano, V. De Antonellis, M. G. Fugini, B. Pernici
September 1998 **ACM Transactions on Database Systems (TODS)**, Volume 23 Issue 3

Full text available: pdf(350.09 KB) Additional Information: full citation, abstract, references, citings, index terms, review

The problem of analyzing and classifying conceptual schemas is becomig increasingly important due to the availability of a large number of schemas related to existing applications. The purposes of schema analysis and classification activities can be different: to extract information on intensional properties of legacy systems in order to restructure or migrate to new architectures; to build libraries of reference conceptual components to be used in building new applications in a given domai ...

Keywords: conceptual modeling, reference components, schema classification, schema similarity

66 The evolution of the DARWIN system
Joan D. Walton, Robert E. Filman, David J. Korsmeyer
March 2000 **Proceedings of the 2000 ACM symposium on Applied computing - Volume 2**

Full text available: pdf(897.54 KB) Additional Information: full citation, references, index terms

Keywords: DARWIN, WWW applications, collaborative engineering, distributed analysis, wind-tunnel

67 Supporting industrial hyperwebs: lessons in scalability
Kenneth M. Anderson
May 1999 **Proceedings of the 21st international conference on Software engineering**

Full text available: pdf(1.47 MB) Additional Information: full citation, references, citings, index terms

Keywords: open hypermedia systems, scalability, software engineering

68 Technical papers: software maintenance: Evolving legacy system features into fine-grained components
Alok Mehta, George T. Heineman
May 2002 **Proceedings of the 24th International Conference on Software Engineering**
Full text available: pdf(1.42 MB) Additional Information: full citation, abstract, references, index terms

There is a constant need for practical, efficient, and cost-effective software evolution techniques. We propose a novel evolution methodology that integrates the concepts of features, regression tests, and component-based software engineering (CBSE). Regression test cases are untapped resources, full of information about system features. By exercising each feature with its associated test cases using code profilers and similar tools, code can be located and refactored to create components. These ...

69 Organizational issues: Behind the help desk: evolution of a knowledge management system in a large organization
Christine A. Halverson, Thomas Erickson, Mark S. Ackerman
November 2004 **Proceedings of the 2004 ACM conference on Computer supported cooperative work**
Full text available: pdf(413.72 KB) Additional Information: full citation, abstract, references, index terms

This paper examines the way in which a knowledge management system (KMS)-by which we mean the people, processes and software-came into being and evolved in response to a variety of shifting social, technical and organizational pressures. We draw upon data from a two year ethnographic study of a sophisticated help desk to trace the KMS from its initial conception as a "Common Problems" database for help desk personnel, to its current instantiation as a set of Frequently Asked Questions publish ...

Keywords: design approaches, distributed cognition, ethnography, frequently asked questions, help desk

70 Database research at Arizona State University
Susan D. Urban, Suzanne W. Dietrich, Forouzan Golshani
March 1996 **ACM SIGMOD Record**, Volume 25 Issue 1
Full text available: pdf(605.65 KB) Additional Information: full citation

71 An introduction to data warehousing: what are the implications for the network?
Katherine Jones
February 1998 **International Journal of Network Management**, Volume 8 Issue 1
Full text available: pdf(145.35 KB) Additional Information: full citation, abstract, references, index terms

Data warehousing is an information systems environment, rather than a product. It has emerged as an essential business entity for sophisticated analysis of data. This article presents a clear overview of the implications of data warehousing for business. © 1998 John Wiley & Sons, Ltd.

72 Strategic directions in electronic commerce and digital libraries: towards a digital agora
Nabil Adam, Yelena Yesha
December 1996 **ACM Computing Surveys (CSUR)**, Volume 28 Issue 4
Full text available: pdf(244.34 KB) Additional Information: full citation, references, citings, index terms

73 Query-based sampling of text databases
Jamie Callan, Margaret Connell
April 2001 **ACM Transactions on Information Systems (TOIS)**, Volume 19 Issue 2
Additional Information: full citation, abstract, references, citings, index

Full text available: pdf(197.24 KB) terms

The proliferation of searchable text databases on corporate networks and the Internet causes a database selection problem for many people. Algorithms such as gGLOSS and CORI can automatically select which text databases to search for a given information need, but only if given a set of resource descriptions that accurately represent the contents of each database. The existing techniques for a acquiring resource descriptions have significant limitations when used in wide-area networks controlled ...

Keywords: distributed information retrieval, query-based sampling, resource ranking, resource selection, server selection

74 Making global digital libraries work: collection services, connectivity regions, and collection views

Carl Lagoze, David Fielding, Sandra Payette

May 1998 **Proceedings of the third ACM conference on Digital libraries**

Full text available: pdf(1.25 MB) Additional Information: full citation, references, citings, index terms

75 Virtual GIS: A Real-Time 3D Geographic Information System

David Koller, Peter Lindstrom, William Ribarsky, Larry F. Hodges, Nick Faust, Gregory Turner

October 1995 **Proceedings of the 6th conference on Visualization '95**

Full text available: pdf(969.98 KB) Publisher Site Additional Information: full citation, citings

76 Extending the constraint database framework

Dina Goldin, Ayferi Kutlu, Mingjun Song

June 2003 **Proceedings of the Paris C. Kanellakis memorial workshop on Principles of computing & knowledge: Paris C. Kanellakis memorial workshop on the occasion of his 50th birthday**

Full text available: pdf(605.14 KB) Additional Information: full citation, abstract, references, index terms

Constraint Databases (CDBs) are an extension of relational databases that enrich both the relational data model and the relational query primitives with constraints. By providing a finite representation of data with infinite semantics, the Constraint Database approach is particularly appropriate for querying spatiotemporal data.Since the introduction of Constraint Databases in the early 1990's, several Constraint Database systems have been implemented. In this paper, we discuss several ex ...

Keywords: constraint databases, constraint query languages, database indexing, query algebra, spatial databases

77 Information systems outsourcing: a survey and analysis of the literature

Jens Dibbern, Tim Goles, Rudy Hirschheim, Bandula Jayatilaka

November 2004 **ACM SIGMIS Database**, Volume 35 Issue 4

Full text available: pdf(1.51 MB) Additional Information: full citation, abstract, references

In the last fifteen years, academic research on information systems (IS) outsourcing has evolved rapidly. Indeed the field of outsourcing research has grown so fast that there has been scant opportunity for the research community to take a collective breath, and complete a global assessment of research activities to date. This paper seeks to address this need by exploring and synthesizing the academic literature on IS outsourcing. It offers a roadmap of the IS outsourcing literature, highligh ...

Keywords: determinants, literature review, outcomes, outsourcing, relationships, research

approaches, theoretical foundations

78 Understanding semantic relationships

Veda C. Storey

October 1993 **The VLDB Journal — The International Journal on Very Large Data Bases**, Volume 2 Issue 4

Full text available: pdf(1.83 MB) Additional Information: full citation, abstract, references, citings

To develop sophisticated database management systems, there is a need to incorporate more understanding of the real world in the information that is stored in a database. Semantic data models have been developed to try to capture some of the meaning, as well as the structure, of data using abstractions such as inclusion, aggregation, and association. Besides these well-known relationships, a number of additional semantic relationships have been identified by researchers in other disciplines such ...

Keywords: database design, database design systems, entity-relationship model, relational model, semantic relationships

79 The decoupled simulation model for virtual reality systems

Chris Shaw, Jiandong Liang, Mark Green, Yunqi Sun

June 1992 **Proceedings of the SIGCHI conference on Human factors in computing systems**

Full text available: pdf(872.77 KB) Additional Information: full citation, abstract, references, citings, index terms

The Virtual Reality user interface style allows the user to manipulate virtual objects in a 3D environment using 3D input devices. This style is best suited to application areas where traditional two dimensional styles fall short, but the current programming effort required to produce a VR application is somewhat large. We have built a toolkit called MR, which facilitates the development of VR applications. The toolkit provides support for distributed computing, head-mounted displays, room ...

Keywords: interactive 3D graphics, user interface software, virtual reality

80 Decoupled simulation in virtual reality with the MR toolkit

Chris Shaw, Mark Green, Jiandong Liang, Yunqi Sun

July 1993 **ACM Transactions on Information Systems (TOIS)**, Volume 11 Issue 3

Full text available: pdf(2.65 MB) Additional Information: full citation, references, citings, index terms

Keywords: interaactive 3D graphics, user interface software

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2005 ACM, Inc.
Terms of Usage Privacy Policy Code of Ethics Contact Us

Useful downloads: Adobe Acrobat QuickTime Windows Media Player Real Player